

Title (en)
Detergent composition

Title (de)
Detergentzusammensetzung

Title (fr)
Composition détergente

Publication
EP 0450627 B1 20021120 (EN)

Application
EP 91105359 A 19910404

Priority
• JP 9117990 A 19900405
• JP 9156390 A 19900406

Abstract (en)
[origin: EP0450627A2] A novel detergent composition containing an alkaline pullulanase is disclosed. The alkaline pullulanase has its optimum pH in an alkaline range and not deactivated by surfactants. Further it has strong resistance to almost all detergent components such as chelating agents, protease, etc. The detergent composition of this invention has excellent detergency especially against starch soils.

IPC 1-7
C11D 3/386; **C12N 9/44**; **C12R 1/07**

IPC 8 full level
C11D 3/386 (2006.01); **C12N 9/44** (2006.01)

CPC (source: EP US)
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Cited by
EP1065260A1; US5938861A; EP0756000A1; US5665585A; EP1065261A3; US10568839B2; WO0102530A1; WO9419468A1; US11319566B2; US11576870B2; US11878079B2; EP0760401B1; WO0102529A1; WO9932594A1

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